

SEQUENCE LISTING

<110> Saito, Tadao
Shimosato, Takeshi
Kitazawa, Haruki

<120> Utilization of Cell Forcibly Expressing Toll-Like Receptor

<130> SPO-124

<140> US 10/561,022

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<150> JP 2003-172132

<151> 2003-06-17

<160> 33

<170> PatentIn version 3.1

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<212> DNA

<213> Sus scrofa

<220>

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Cys Glu Leu Gln Pro His Gly Leu Val Asn Cys Asn Trp Leu Phe Leu
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Asp Phe Val His Leu Ser Ser Leu Arg Thr Leu Asn Leu Lys Trp Asn
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Cys Pro Pro Ala Gly Leu Ser Pro Met His Phe Pro Cys His Met Thr
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Leu Ser Tyr Asn Ser Ile Thr Thr Val Pro Ala Leu Pro Asp Ser Leu

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Asn Leu Thr Glu Val Pro Arg Ser Leu Pro Pro Ser Leu Glu Thr Leu		
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Leu Leu Ser Tyr Asn His Ile Val Thr Leu Thr Pro Glu Asp Leu Ala		
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gtg	ctc	gat	gtg	ggc	gga	aat	tgc	cgc	cgc	tgc	gac	cac	gct	ccc	aac	1423
Val	Leu	Asp	Val	Gly	Gly	Asn	Cys	Arg	Arg	Cys	Asp	His	Ala	Pro	Asn	
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ccc	tgc	atg	gag	tgc	cct	cgt	cac	ttc	ccc	cag	cta	cat	ccc	gat	acc	1471
Pro	Cys	Met	Glu	Cys	Pro	Arg	His	Phe	Pro	Gln	Leu	His	Pro	Asp	Thr	
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ttc	agc	cac	ctg	agc	cgt	ctt	gaa	ggc	ctg	gtg	ttg	aag	gac	agt	tct	1519
Phe	Ser	His	Leu	Ser	Arg	Leu	Glu	Gly	Leu	Val	Leu	Lys	Asp	Ser	Ser	
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ctc	tcc	tgg	ctg	aat	gcc	agt	tgg	ttc	cgt	ggg	ctg	gga	aac	ctc	cga	1567
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520	525	530	535	
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gaa gtc ctc gac ctg gca gga aac cag ctg aag gcc ctg acc aat ggc Glu Val Leu Asp Leu Ala Gly Asn Gln Leu Lys Ala Leu Thr Asn Gly 680 685 690 695				2719
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Arg Gln Arg Leu Cys Arg Gln Ser Val Leu Leu Trp Pro His Gln Pro			
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Ser Gly Gln Arg Ser Phe Trp Ala Gln Leu Gly Met Ala Leu Thr			
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Thr Ala Glu			
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Leu Pro Cys Glu Leu Gln Pro His Gly Leu Val Asn Cys Asn Trp Leu			
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Phe Leu Lys Ser Val Pro His Phe Ser Met Ala Ala Pro Arg Gly Asn			
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Val Thr Ser Leu Ser Leu Ser Ser Asn Arg Ile His His Leu His Asp			
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Ser Asp Phe Ala His Leu Pro Ser Leu Arg His Leu Asn Leu Lys Trp			
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Asn Cys Pro Pro Val Gly Leu Ser Pro Met His Phe Pro Cys His Met			
	100	105	110
Thr Ile Glu Pro Ser Thr Phe Leu Ala Val Pro Thr Leu Glu Glu Leu			
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Asn Leu Ser Tyr Asn Asn Ile Met Thr Val Pro Ala Leu Pro Lys Ser			
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 Ala Ser Leu Ala Gly Leu His Ala Leu Arg Phe Leu Phe Met Asp Gly
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 Gly Ala Leu Leu Gly Leu Gly Asn Leu Thr His Leu Ser Leu Lys Tyr
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 Asn Asn Leu Thr Val Val Pro Arg Asn Leu Pro Ser Ser Leu Glu Tyr
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 Ala Asn Leu Thr Ala Leu Arg Val Leu Asp Val Gly Gly Asn Cys Arg
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 Arg Cys Asp His Ala Pro Asn Pro Cys Met Glu Cys Pro Arg His Phe
 260 265 270
 Pro Gln Leu His Pro Asp Thr Phe Ser His Leu Ser Arg Leu Glu Gly
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 Leu Val Leu Lys Asp Ser Ser Leu Ser Trp Leu Asn Ala Ser Trp Phe
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 Arg Gly Leu Gly Asn Leu Arg Val Leu Asp Leu Ser Glu Asn Phe Leu
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 Arg Lys Leu Asn Leu Ser Phe Asn Tyr Gln Lys Arg Val Ser Phe Ala
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 His Leu Ser Leu Ala Pro Ser Phe Gly Ser Leu Val Ala Leu Lys Glu
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 Asn Phe Ile Asn Gln Ala Gln Leu Gly Ile Phe Arg Ala Phe Pro Gly
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 Leu Arg Tyr Val Asp Leu Ser Asp Asn Arg Ile Ser Gly Ala Ser Glu
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 Leu Thr Ala Thr Met Gly Glu Ala Asp Gly Gly Glu Lys Val Trp Leu
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Gln Pro Gly Asp Leu Ala Pro Ala Pro Val Asp Thr Pro Ser Ser Glu
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 Asp Phe Arg Pro Asn Cys Ser Thr Leu Asn Phe Thr Leu Asp Leu Ser
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 His Leu Gln Cys Leu Arg Leu Ser His Asn Cys Ile Ser Gln Ala Val
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 Ser His Asn Lys Leu Asp Leu Tyr His Glu His Ser Phe Thr Glu Leu
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 Pro Arg Leu Glu Ala Leu Asp Leu Ser Tyr Asn Ser Gln Pro Phe Gly
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 Met Gln Gly Val Gly His Asn Phe Ser Phe Val Ala His Leu Arg Thr
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Pro	Met	Leu	His	His	Leu	Cys	Gly	Trp	Asp	Leu	Trp	Tyr	Cys	Phe	His
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Ser	Ala	Val	Ala	Asp	Trp	Val	Tyr	Asn	Glu	Leu	Arg	Gly	Gln	Leu	Glu
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Glu	Cys	Arg	Gly	Arg	Trp	Ala	Leu	Arg	Leu	Cys	Leu	Glu	Glu	Arg	Asp
			900					905					910		
Trp	Leu	Pro	Gly	Lys	Thr	Leu	Phe	Glu	Asn	Leu	Trp	Ala	Ser	Val	Tyr
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Gly	Ser	Arg	Lys	Thr	Leu	Phe	Val	Leu	Ala	His	Thr	Asp	Arg	Val	Ser
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Trp Asp Val Trp Tyr Cys Phe His Leu Cys Leu Ala Trp Leu Pro Leu			
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Leu Ala Arg Ser Arg Arg Ser Ala Gln Ala Leu Pro Tyr Asp Ala Phe			
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Val Val Phe Asp Lys Ala Gln Ser Ala Val Ala Asp Trp Val Tyr Asn			
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Glu Leu Arg Val Arg Leu Glu Gly Arg Arg Gly Arg Arg Ala Leu Arg			
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Asn Leu Trp Ala Ser Ile Tyr Gly Ser Arg Lys Thr Leu Phe Val Leu			
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gcc cac acg gac cgc gtc agt ggc ctc ctg cgc acc agc ttc ctg ctg			2944
Ala His Thr Asp Arg Val Ser Gly Leu Leu Arg Thr Ser Phe Leu Leu			
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Ala Gln Gln Arg Leu Leu Glu Asp Arg Lys Asp Val Val Val Leu Val			
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Ile Leu Arg Pro Asp Ala His Arg Ser Arg Tyr Val Arg Leu Arg Gln			
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cgt ctc tgc cgc cag agt gtg ctc ttt tgg ccc cag cag ccc aac ggg			3088
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Gln Gly Gly Phe Trp Ala Gln Leu Ser Thr Ala Leu Thr Arg Asp			
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Asn Arg His Phe Tyr Asn Gln Asn Phe Cys Arg Gly Pro Thr Ala			
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Glu			
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Phe Leu Lys Ser Val Pro Arg Phe Ser Ala Ala Ala Ser Cys Ser Asn
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Ile Thr Arg Leu Ser Leu Ile Ser Asn Arg Ile His His Leu His Asn
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Ser Asp Phe Val His Leu Ser Asn Leu Arg Gln Leu Asn Leu Lys Trp
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Asn Cys Pro Pro Thr Gly Leu Ser Pro Leu His Phe Ser Cys His Met
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Thr Ile Glu Pro Arg Thr Phe Leu Ala Met Arg Thr Leu Glu Glu Leu
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Leu Val Asn Leu Ser Leu Ser His Thr Asn Ile Leu Val Leu Asp Ala
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Asn Cys Tyr Tyr Lys Asn Pro Cys Thr Gly Ala Val Lys Val Thr Pro
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Gly Ala Leu Leu Gly Leu Ser Asn Leu Thr His Leu Ser Leu Lys Tyr
195 200 205

Asn Asn Leu Thr Lys Val Pro Arg Gln Leu Pro Pro Ser Leu Glu Tyr
210 215 220

Leu Leu Val Ser Tyr Asn Leu Ile Val Lys Leu Gly Pro Glu Asp Leu
225 230 235 240

Ala Asn Leu Thr Ser Leu Arg Val Leu Asp Val Gly Gly Asn Cys Arg
245 250 255

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 260 265 270
 Leu His Leu His Pro Glu Thr Phe His His Leu Ser His Leu Glu Gly
 275 280 285
 Leu Val Leu Lys Asp Ser Ser Leu His Thr Leu Asn Ser Ser Trp Phe
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 Gln Gly Leu Val Asn Leu Ser Val Leu Asp Leu Ser Glu Asn Phe Leu
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 Tyr Glu Ser Ile Asn His Thr Asn Ala Phe Gln Asn Leu Thr Arg Leu
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 Arg Lys Leu Asn Leu Ser Phe Asn Tyr Arg Lys Lys Val Ser Phe Ala
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 Arg Trp Leu Ala Asp Leu Pro Lys Leu His Thr Leu His Leu Gln Met
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 Asn Phe Ile Asn Gln Ala Gln Leu Ser Ile Phe Gly Thr Phe Arg Ala
 405 410 415
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 Leu Leu Ser Ala Asp Pro His Pro Ala Pro Leu Ser Thr Pro Ala Ser
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 Lys Asn Phe Met Asp Arg Cys Lys Asn Phe Lys Phe Thr Met Asp Leu
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 Ser Arg Asn Asn Leu Val Thr Ile Lys Pro Glu Met Phe Val Asn Leu
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 Val Asn Gly Ser Gln Phe Leu Pro Leu Thr Asn Leu Gln Val Leu Asp
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 Leu Ser His Asn Lys Leu Asp Leu Tyr His Trp Lys Ser Phe Ser Glu
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 Leu Pro Gln Leu Gln Ala Leu Asp Leu Gly Tyr Asn Ser Gln Pro Phe

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Met Leu His Ser Leu Ser Leu Ala His Asn Asp Ile His Thr Arg Val						
		580		585		590
Ser Ser His Leu Asn Ser Asn Ser Val Arg Phe Leu Asp Phe Ser Gly						
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Asn Gly Met Gly Arg Met Trp Asp Glu Gly Gly Leu Tyr Leu His Phe						
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Phe Gln Gly Leu Ser Gly Leu Leu Lys Leu Asp Leu Ser Gln Asn Asn						
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Leu His Ile Leu Arg Pro Gln Asn Leu Asp Asn Leu Pro Lys Ser Leu						
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Lys Leu Leu Ser Leu Arg Asp Asn Tyr Leu Ser Phe Phe Asn Trp Thr						
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Ser Leu Ser Phe Leu Pro Asn Leu Glu Val Leu Asp Leu Ala Gly Asn						
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Gln Leu Lys Ala Leu Thr Asn Gly Thr Leu Pro Asn Gly Thr Leu Leu						
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Gln Lys Leu Asp Val Ser Ser Asn Ser Ile Val Ser Val Val Pro Ala						
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Phe Phe Ala Leu Ala Val Glu Leu Lys Glu Val Asn Leu Ser His Asn						
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Ile Leu Lys Thr Val Asp Arg Ser Trp Phe Gly Pro Ile Val Met Asn						
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Leu Thr Val Leu Asp Val Arg Ser Asn Pro Leu His Cys Ala Cys Gly						
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		770		775		780
Leu Ala Asn Gly Val Lys Cys Gly Ser Pro Gly Gln Leu Gln Gly Arg						
		785		790		795
Ser Ile Phe Ala Gln Asp Leu Arg Leu Cys Leu Asp Glu Val Leu Ser						
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Trp Asp Cys Phe Gly Leu Ser Leu Leu Ala Val Ala Val Gly Met Val						
		820		825		830
Val Pro Ile Leu His His Leu Cys Gly Trp Asp Val Trp Tyr Cys Phe						
		835		840		845

His Leu Cys Leu Ala Trp Leu Pro Leu Leu Ala Arg Ser Arg Arg Ser
 850 855 860
 Ala Gln Ala Leu Pro Tyr Asp Ala Phe Val Val Phe Asp Lys Ala Gln
 865 870 875 880
 Ser Ala Val Ala Asp Trp Val Tyr Asn Glu Leu Arg Val Arg Leu Glu
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 Gly Arg Arg Gly Arg Arg Ala Leu Arg Leu Cys Leu Glu Asp Arg Asp
 900 905 910
 Trp Leu Pro Gly Gln Thr Leu Phe Glu Asn Leu Trp Ala Ser Ile Tyr
 915 920 925
 Gly Ser Arg Lys Thr Leu Phe Val Leu Ala His Thr Asp Arg Val Ser
 930 935 940
 Gly Leu Leu Arg Thr Ser Phe Leu Leu Ala Gln Gln Arg Leu Leu Glu
 945 950 955 960
 Asp Arg Lys Asp Val Val Val Leu Val Ile Leu Arg Pro Asp Ala His
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 Arg Ser Arg Tyr Val Arg Leu Arg Gln Arg Leu Cys Arg Gln Ser Val
 980 985 990
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Met Gly Pro Cys His Gly Ala Leu His
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Pro Leu Ser Leu Leu Val Gln Ala Ala Ala Leu Ala Val Ala Leu Ala
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Gln Gly Thr Leu Pro Ala Phe Leu Pro Cys Glu Leu Gln Arg His Gly
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Leu Val Asn Cys Asp Trp Leu Phe Leu Lys Ser Val Pro His Phe Ser
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Ala Ala Ala Pro Arg Gly Asn Val Thr Ser Leu Ser Leu Tyr Ser Asn
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cgc atc cac cac ctc cac gac tcc gac ttt gtc cac ctg tcc agc ctg 354
Arg Ile His His Leu His Asp Ser Asp Phe Val His Leu Ser Ser Leu
75 80 85

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Arg Arg Leu Asn Leu Lys Trp Asn Cys Pro Pro Ala Ser Leu Ser Pro
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Met His Phe Pro Cys His Met Thr Ile Glu Pro His Thr Phe Leu Ala
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 Gln Arg Leu Leu Glu Asp Arg Lys Asp Val Val Val Leu Val Ile Leu
 955 960 965

 cgc ccc gac gcc cac cgc tcc cgc tat gtg cgg ctg cgc cag cgc ctc 3042
 Arg Pro Asp Ala His Arg Ser Arg Tyr Val Arg Leu Arg Gln Arg Leu
 970 975 980 985

 tgc cgc cag agc gtc ctc ctc tgg ccc cac cag ccc agt ggc cag cgc 3090
 Cys Arg Gln Ser Val Leu Leu Trp Pro His Gln Pro Ser Gly Gln Arg
 990 995 1000

 agc ttc tgg gcc cag ctg ggc acg gcc ctg acc agg gac aac cag 3135
 Ser Phe Trp Ala Gln Leu Gly Thr Ala Leu Thr Arg Asp Asn Gln
 1005 1010 1015

 cac ttc tat aac cag aac ttc tgc cgg ggc ccc acg acg gca gag 3180
 His Phe Tyr Asn Gln Asn Phe Cys Arg Gly Pro Thr Thr Ala Glu
 1020 1025 1030

 tga ccgcccagca cccaagcct cctacacctt gcctgtctgc ctgggatgcc 3233

 gggcctgctg gcctgcaac accactgctc tgccctccca actcccaccc ctggcatata 3293

 gcagatgctc aataaatgct actagtaggc tgaacggct 3332

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<211> 1031

<212> PRT

<213> Felis Catus

<220>

<221> misc_feature

<222> (622)..(622)

<223> The 'Xaa' at location 622 stands for His, Arg, Pro, or Leu.

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Met Gly Pro Cys His Gly Ala Leu His Pro Leu Ser Leu Leu Val Gln
 1 5 10 15

Ala Ala Ala Leu Ala Val Ala Leu Ala Gln Gly Thr Leu Pro Ala Phe
 20 25 30
 Leu Pro Cys Glu Leu Gln Arg His Gly Leu Val Asn Cys Asp Trp Leu
 35 40 45
 Phe Leu Lys Ser Val Pro His Phe Ser Ala Ala Ala Pro Arg Gly Asn
 50 55 60
 Val Thr Ser Leu Ser Leu Tyr Ser Asn Arg Ile His His Leu His Asp
 65 70 75 80
 Ser Asp Phe Val His Leu Ser Ser Leu Arg Arg Leu Asn Leu Lys Trp
 85 90 95
 Asn Cys Pro Pro Ala Ser Leu Ser Pro Met His Phe Pro Cys His Met
 100 105 110
 Thr Ile Glu Pro His Thr Phe Leu Ala Val Pro Thr Leu Glu Glu Leu
 115 120 125
 Asn Leu Ser Tyr Asn Ser Ile Thr Thr Val Pro Ala Leu Pro Ser Ser
 130 135 140
 Leu Val Ser Leu Ser Leu Ser Arg Thr Asn Ile Leu Val Leu Asp Pro
 145 150 155 160
 Ala Asn Leu Ala Gly Leu His Ser Leu Arg Phe Leu Phe Leu Asp Gly
 165 170 175
 Asn Cys Tyr Tyr Lys Asn Pro Cys Pro Gln Ala Leu Gln Val Ala Pro
 180 185 190
 Gly Ala Leu Leu Gly Leu Gly Asn Leu Thr His Leu Ser Leu Lys Tyr
 195 200 205
 Asn Asn Leu Thr Ala Val Pro Arg Gly Leu Pro Pro Ser Leu Glu Tyr
 210 215 220
 Leu Leu Leu Ser Tyr Asn His Ile Ile Thr Leu Ala Pro Glu Asp Leu
 225 230 235 240
 Ala Asn Leu Thr Ala Leu Arg Val Leu Asp Val Gly Gly Asn Cys Arg
 245 250 255
 Arg Cys Asp His Ala Arg Asn Pro Cys Met Glu Cys Pro Lys Gly Phe
 260 265 270
 Pro His Leu His Pro Asp Thr Phe Ser His Leu Asn His Leu Glu Gly
 275 280 285
 Leu Val Leu Lys Asp Ser Ser Leu Tyr Asn Leu Asn Pro Arg Trp Phe
 290 295 300
 His Ala Leu Gly Asn Leu Met Val Leu Asp Leu Ser Glu Asn Phe Leu

305		310		315		320
Tyr Asp Cys Ile Thr Lys Thr Thr Ala Phe Gln Gly Leu Ala Gln Leu						
		325		330		335
Arg Arg Leu Asn Leu Ser Phe Asn Tyr His Lys Lys Val Ser Phe Ala						
		340		345		350
His Leu His Leu Ala Pro Ser Phe Gly Ser Leu Leu Ser Leu Gln Gln						
		355		360		365
Leu Asp Met His Gly Ile Phe Phe Arg Ser Leu Ser Glu Thr Thr Leu						
		370		375		380
Arg Ser Leu Val His Leu Pro Met Leu Gln Ser Leu His Leu Gln Met						
		385		390		395
Asn Phe Ile Asn Gln Ala Gln Leu Ser Ile Phe Gly Ala Phe Pro Gly						
		405		410		415
Leu Arg Tyr Val Asp Leu Ser Asp Asn Arg Ile Ser Gly Ala Met Glu						
		420		425		430
Leu Ala Ala Ala Thr Gly Glu Val Asp Gly Gly Glu Arg Val Arg Leu						
		435		440		445
Pro Ser Gly Asp Leu Ala Leu Gly Pro Pro Gly Thr Pro Ser Ser Glu						
		450		455		460
Gly Phe Met Pro Gly Cys Lys Thr Leu Asn Phe Thr Leu Asp Leu Ser						
		465		470		475
Arg Asn Asn Leu Val Thr Ile Gln Pro Glu Met Phe Ala Arg Leu Ser						
		485		490		495
Arg Leu Gln Cys Leu Leu Leu Ser Arg Asn Ser Ile Ser Gln Ala Val						
		500		505		510
Asn Gly Ser Gln Phe Met Pro Leu Thr Ser Leu Gln Val Leu Asp Leu						
		515		520		525
Ser His Asn Lys Leu Asp Leu Tyr His Gly Arg Ser Phe Thr Glu Leu						
		530		535		540
Pro Arg Leu Glu Ala Leu Asp Leu Ser Tyr Asn Ser Gln Pro Phe Ser						
		545		550		555
Met Gln Gly Val Gly His Asn Leu Ser Phe Val Ala Gln Leu Pro Ala						
		565		570		575
Leu Arg Tyr Leu Ser Leu Ala His Asn Asp Ile His Ser Arg Val Ser						
		580		585		590
Gln Gln Leu Cys Ser Ala Ser Leu Arg Ala Leu Asp Phe Ser Gly Asn						
		595		600		605

Ala Leu Ser Arg Met Trp Ala Glu Gly Asp Leu Tyr Leu Xaa Phe Phe
 610 615 620
 Arg Gly Leu Arg Ser Leu Val Arg Leu Asp Leu Ser Gln Asn Arg Leu
 625 630 635 640
 His Thr Leu Leu Pro Arg Thr Leu Asp Asn Leu Pro Lys Ser Leu Arg
 645 650 655
 Leu Leu Arg Leu Arg Asp Asn Tyr Leu Ala Phe Phe Asn Trp Ser Ser
 660 665 670
 Leu Val Leu Leu Pro Arg Leu Glu Ala Leu Asp Leu Ala Gly Asn Gln
 675 680 685
 Leu Lys Ala Leu Ser Asn Gly Ser Leu Pro Asn Gly Thr Gln Leu Gln
 690 695 700
 Arg Leu Asp Leu Ser Ser Asn Ser Ile Ser Phe Val Ala Ser Ser Phe
 705 710 715 720
 Phe Ala Leu Ala Thr Arg Leu Arg Glu Leu Asn Leu Ser Ala Asn Ala
 725 730 735
 Leu Lys Thr Val Glu Pro Ser Trp Phe Gly Ser Leu Ala Gly Thr Leu
 740 745 750
 Lys Val Leu Asp Val Thr Gly Asn Pro Leu His Cys Ala Cys Gly Ala
 755 760 765
 Ala Phe Val Asp Phe Leu Leu Glu Val Gln Ala Ala Val Pro Gly Leu
 770 775 780
 Pro Gly His Val Lys Cys Gly Ser Pro Gly Gln Leu Gln Gly Arg Ser
 785 790 795 800
 Ile Phe Ala Gln Asp Leu Arg Leu Cys Leu Asp Glu Ala Leu Ser Trp
 805 810 815
 Asp Cys Phe Gly Leu Ser Leu Leu Thr Val Ala Leu Gly Leu Ala Val
 820 825 830
 Pro Met Leu His His Leu Cys Gly Trp Asp Leu Trp Tyr Cys Phe His
 835 840 845
 Leu Cys Leu Ala Trp Leu Pro Arg Arg Gly Arg Arg Arg Gly Ala Asp
 850 855 860
 Ala Leu Pro Tyr Asp Ala Phe Val Val Phe Asp Lys Ala Gln Ser Ala
 865 870 875 880
 Val Ala Asp Trp Val Tyr Asn Glu Leu Arg Val Arg Leu Glu Glu Arg
 885 890 895
 Arg Gly Arg Arg Ala Leu Arg Leu Cys Leu Glu Glu Arg Asp Trp Leu
 900 905 910

Pro Gly Lys Thr Leu Phe Glu Asn Leu Trp Ala Ser Val Tyr Ser Ser
 915 920 925

Arg Lys Met Leu Phe Val Leu Ala His Thr Asp Arg Val Ser Gly Leu
 930 935 940

Leu Arg Ala Ser Phe Leu Leu Ala Gln Gln Arg Leu Leu Glu Asp Arg
 945 950 955 960

Lys Asp Val Val Val Leu Val Ile Leu Arg Pro Asp Ala His Arg Ser
 965 970 975

Arg Tyr Val Arg Leu Arg Gln Arg Leu Cys Arg Gln Ser Val Leu Leu
 980 985 990

Trp Pro His Gln Pro Ser Gly Gln Arg Ser Phe Trp Ala Gln Leu Gly
 995 1000 1005

Thr Ala Leu Thr Arg Asp Asn Gln His Phe Tyr Asn Gln Asn Phe
 1010 1015 1020

Cys Arg Gly Pro Thr Thr Ala Glu
 1025 1030

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18

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<211> 21

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20